

shaft, the type wheel spindle rocked by said shaft, the type wheel and a toothed stop wheel mounted to revolve synchronously on said spindle, and a locking pawl rocking with and having radial motion on the rock shaft in the path of the teeth of said stop wheel, and a cam lever on the rock shaft, a lever acted upon by said cam lever and acting upon said locking pawl to move it into engagement with the stop wheel, of the type key levers, means controlled thereby and positioning the type wheel and then actuating the aforesaid cam lever, and means for moving the locking pawl out of engagement with the stop wheel, for the purpose set forth. 5th. The combination with the type wheel rock shaft, the type wheel spindle rocked by said shaft, the type wheel, and a toothed stop wheel mounted to revolve synchronously on said spindle, a locking pawl rocked by and having radial motion on the aforesaid rock shaft, said pawl provided with a bearing flange, a cam lever on the rock shaft having stepped bearing surfaces, and a lever acted upon by said surfaces and acting upon the aforesaid flange on the locking pawl to move the same into engagement with the stop wheel, of the type key levers and means controlled thereby and positioning the type wheel and then actuating the aforesaid cam lever, for the purpose set forth. 6th. The combination with the type wheel rock shaft, the type wheel spindle rocked by said shaft, the type wheel, and a toothed stop wheel mounted to revolve synchronously on said spindle, a locking pawl rock by and having radial motion on the aforesaid rock shaft, said pawl provided with a bearing flange, a cam lever on the rock shaft having stepped bearing surfaces, and a lever acted upon by said surfaces and acting upon the aforesaid flange on the locking pawl to move the same into engagement with the stop wheel, of the type key levers, means controlled thereby and positioning the type wheel and then actuating the aforesaid cam lever, and a coiled spring connecting the locking pawl and cam lever, for the purpose set forth. 7th. The combination with the type wheel rock shaft, the type wheel spindle rocked by said shaft, the type wheel, and a stop wheel having a toothed circular flange divided into two series of teeth by a longer and a shorter tooth, said series of teeth having their faces beveled in opposite directions and said stop and type wheels mounted to revolve synchronously on the said spindle, and a locking pawl having radial motion on the rock shaft in the path of the teeth on the stop wheel, of the type key levers and means controlled thereby to position the type wheel and then move the pawl into engagement with the stop wheel, for the purpose set forth. 8th. The combination with the type wheel rock shaft, the type wheel spindle rocked by said shaft, the type wheel, and a stop wheel having a toothed circular flange divided into two series of teeth by a longer and a shorter tooth, said series of teeth having their faces beveled in opposite directions and said stop and type wheels mounted to revolve synchronously on said spindle, and a locking pawl having radial motion on the rock shaft in the path of the teeth on the stop wheel, of the type key levers, means controlled thereby to position the type wheel and then move the pawl into engagement with the stop wheel, and means not controlled by the key levers to move said pawl out of engagement with the said stop wheel for the purpose set forth. 9th. The combination with the type wheel rock shaft, the type wheel spindle rocked thereby, the type wheel and the stop wheel K having two series of teeth K<sup>1</sup> divided by the shorter tooth K<sup>1</sup> and the longer tooth K<sup>2</sup>, said two wheels mounted to revolve synchronously on said spindle, the locking pawl H and cam lever F constructed as described and mounted on the rock shaft, and the lever G interposed between the cam surfaces of the cam lever and the bearing flange of the locking pawl, of the type key levers, the short bails actuated thereby, and means controlled by said short bails to position the type wheel, the long bail M actuated by the key levers, and a toothed arm on said long bail adapted to gear with a toothed portion of the cam lever, for the purpose set forth. 10th. The combination with the type wheel rock shaft, the type wheel spindle rocked thereby, the type wheel, and a toothed stop wheel mounted to revolve synchronously on said spindle, a locking pawl having radial motion on the rock shaft and a guide for said pawl rocked by the shaft, of the type key levers, means controlled thereby to position the type wheel and then move the locking pawl radially of the rock shaft into engagement with the stop wheel, and means for moving said pawl out of engagement with the stop wheel on the release of a type key lever, for the purpose set forth. 11th. The combination with the type wheel rock shaft, the type wheel spindle rocked thereby, the type wheel, and a toothed stop wheel mounted to revolve synchronously on said spindle, a locking pawl having radial motion on the rock shaft and a guide for said pawl rocked by the shaft and carrying a retarding spring in perpetual frictional contact with said stop wheel, of the type key levers, means controlled thereby to position the type wheel and then move the locking pawl radially of the rock shaft into engagement with the stop wheel, and means for moving said pawl out of engagement with said stop wheel on the release of a type key lever, for the purpose set forth. 12th. The combination with the rock shaft B, of the type wheel spindle, the stop wheel K and the locking pawl H, of the sleeve J rocking with the shaft B, and having two radial arms, one of which J<sup>1</sup> is provided with a guide slot for the locking arm of said pawl H, substantially as and for the purpose set forth. 13th. The combination with the rock shaft B, the type wheel spindle, the stop wheel K and the locking pawl H, of the sleeve J rocking with the shaft B and having two radial arms, the angle radial arm J<sup>1</sup> provided with a guide slot for the locking arm of said pawl H, and the

segmental spring J<sup>2</sup> secured to said slotted arm and having bearing on the inner face of the toothed flange of said stop wheel, substantially as and for the purpose set forth.

# **No. 66,505. Animal Trap. (Piège.)**



Gottlieb Kahle, Theodor Henjes and Ludwig Beissner, all of Hannover, Germany, 7th March, 1900; 6 years. (Filed 10th May, 1899.)

*Claim.*—1st. A vermin trap, consisting of a hollow body having an entrance, a transparent partition, a spring raised, tubular passage having one end portion secured in the entrance of the body and its other end portion normally obstructed by the partition and depressed below the same by the weight of the vermin, the depressed end portion of the tubular passage automatically springing up in front of the partition when the animal passes from said passage into the body, substantially as described. 2nd. A vermin trap which is of bottle shape and has as its outer end a sliding door *a*, provided with holes, at its interior a spiral spring passage way *m m'*, and at the back of the passage way a transparent partition *o*, the parts being so arranged that when the animal has advanced a certain distance along the spiral passageway the latter bends down in front of the transparent partition so as to direct the animal into the body of the trap and thereafter springs back into its former position, substantially as described. 3rd. A vermin trap, consisting of a hollow body, having an entrance, a transparent partition in said body, a spring raised, tubular passage having one end portion secured at said entrance and the other end portion depressed below the partition by the weight of the vermin and automatically raised in front of the partition when the vermin passes from the passage into the body, and a movable device for opening and closing the end portion of said body which is opposite the entrance, substantially as described. 4th. A vermin trap, consisting of a hollow body, having an entrance at one end portion, a movable door arranged in the opposite end portion and constructed for the entrance light, a partition in the body between said door and said entrance, and a tubular passage having one end portion depressed below the partition by the weight of the vermin and automatically sprung upward in front of said partition when the vermin passes from the passage into the body, substantially as described. 5th. A vermin trap, consisting of a hollow body having a contracted entrance, a block mounted on the exterior of the entrance and containing a bait holding recess, an interior partition, and a spring raised tubular passage having one end secured in said entrance and its other end normally obstructed by the partition and depressed below the same by the weight of the vermin, substantially as described. 6th. A vermin trap, consisting of a hollow body having an entrance, an exterior support serving as a handle to hold the body inclined, an internal partition, a door at the end opposite the entrance, and a spring raised, tubular passage secured at one end in said entrance and its other end depressible below the partition by the weight of the vermin, substantially as described.